

Name:

Daily routine for Chapter 3

1) Fill in your guided notes using the books website (www.classzone.com).

- * Sign in and select our textbook.
- * In the top left corner there is a drop down menu for the chapters. Please select chapter 3.
- * Select PowerPoint Presentations.
- * Then select the appropriate lesson.

2) Practice similar problems using the interactive website www.interactmath.com.

- * Select the Enter button.
- * Select the Prentice Hall Algebra 2 book from the drop down menu.
- * Then select the appropriate section.

3) Complete the homework assignment.

Solving Systems of Equation Graphically

Notes:

Go to Lesson 1, Example 1.

Example 1 Solve a system graphically

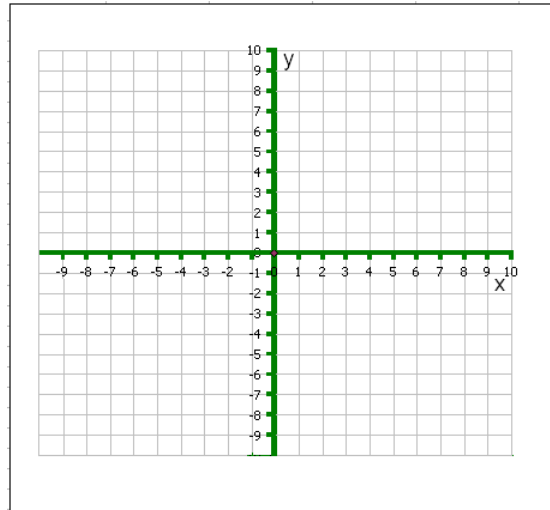
Graph the linear system and estimate the solution.

Then check your solution algebraically.

Equation 1

Equation 2

Solution



Equation 1

Equation 2

You do **not** need to complete the guided practice.

Go back to classzone.com and select Lesson 1, Examples 2-4

Example 2 Solve a system with many solutions

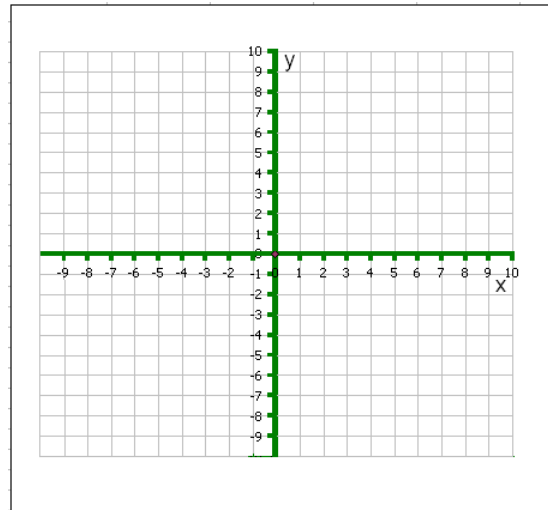
Solve the system.

(You do not need to understand consistent, inconsistent, independent, and dependent.)

Equation 1

Equation 2

Solution



Example 3 Solve a system with no solution

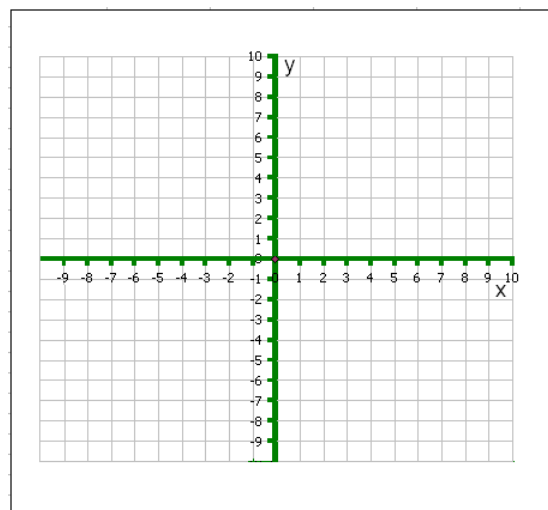
Solve the system.

(You do not need to understand consistent, inconsistent, independent, and dependent.)

Equation 1

Equation 2

Solution



Example 4 Standardized Test Practice

You ride an express bus from the center of town to your street. You have two payment options. Option A is to buy a monthly pass costs \$30. After how many rides will the total costs of the two options be the same?

A. 12 rides

B. 20 rides

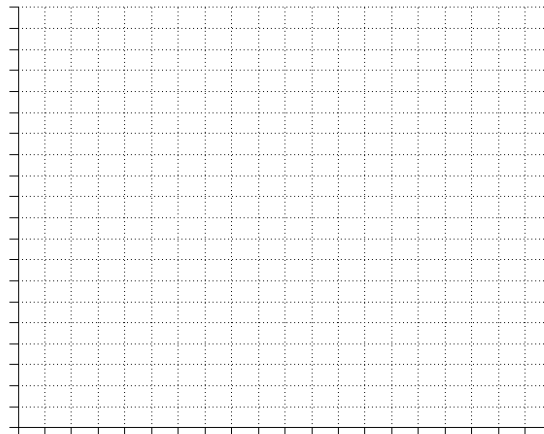
C. 24 rides

D. 28 rides

Solution

Equation 1 (Option A)

Equation 2 (Option B)



Notice that you need to graph the equations only in the first quadrant because only nonnegative values of x and y make sense in this situation.

Check Solution

Answer

Practice Problems:

At the Interact Math site click on the plus sign for Ch3: Linear Systems. Then select the plus sign for Section 1: Solving Systems Using Tables and Graphs. Finally click on Use a graph or table to solve a system. Select Exercise 1 and complete all six problems below. Show your teacher when you have all six check marks (meaning you have completed all six problems correctly.)